

REMARKS:

The present amendment is submitted in an earnest effort to advance this case to issue without delay.

1. The priority claim acknowledgment in paragraph 2 of page 2 of the Office Action is appreciated.

2. An Abstract of the Disclosure has been provided as required by the Examiner.

3. A new title has been supplied which, using 20 words or less, defines the invention in terms which differentiate it from the prior art.

4. The specification has been amended to include a cross reference to the related applications. The amendment to the specification does not add new matter nor has any new matter been introduced in the paragraph which has been added.

5. Claims 1-3 have been replaced by new claims 4-7 which are free from the informalities noted by the Examiner in paragraph 4 on page 4 of the Office Action.

6. With respect to the claim rejection under 35 USC 102, applicant respectfully notes that neither PRASAD (US patent

5,912,257) nor any other reference of record in this case discloses a memory which uses a fluorescent photosensitive glass or vitroc ceramic. The Examiner states that PRASAD discloses fluorescent photosensitive glass in FIGS. 1-32 and specifically cites FIG. 31, column 72, line 41 to column 73, line 5 to column 73, line 56 to column 74, line 26. More accurately, column 72, line 41 though column 73, line 5 describes the apparatus including a confocal microscope which is used but does not say a word about the structure of the memory except that at column 73, lines 21 ff the fluorescence is described as fluorescence collected from dye molecules. The dye molecules above and below the first volume element may be inadvertently exposed to actinic radiation to cause them to undergo 2 photon fluorescence. The text from column 73, line 56 to column 74 line 26 likewise deals with the reading and writing system but not at all with a fluorescent photosensitive glass. The Examiner does cite column 41, lines 43-64 of PRASAD and column 88 lines 4-15 as dealing with the recording medium. Column 41, lines 43-64 specify that certain lasers can be used in the production of fluorescent radiation from certain compounds and compositions listed in the application.

Column 88, lines 4-15 refer to the fluorescence emissions spectrum of Fullerene in toluene solution and, of course, of Fullerene which is incorporated in a porous glass. What is being measured here is the optical characteristics of the solution and not an optical characteristic of a glass. Indeed, neither PRASAD nor DEJNEKA, patent 5,955,388 discloses a glass or vitroc ceramic

which by its nature is fluorescent is photosensitive and used as a memory. DEJNEKA describes a transparent glass ceramic composition with rare earth components which are not photosensitive elements.

Neither PRASAD nor the secondary reference, therefore anticipated any of the claims now in the case. Furthermore, the combination of references does not suggest a glass which itself is photosensitive and fluorescent without the organic compounds of the PRASAD reference.

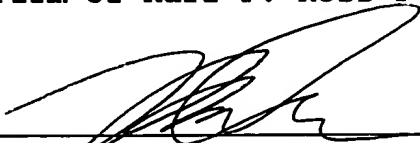
The claims in the case are thus deemed to be allowable.

7. The Examiner is advised that in the corresponding Japanese application, a reference JP-T-5-503149 appears to have been applied and that that reference is believed to correspond to WO 91 07651A and US Patent 5,034,613 which, the undersigned is informed and therefore believes was of record in a Search Report in the international application. Should a PTO 1449 form, therefore, be required here, the Examiner is requested to so advise the undersigned. Otherwise it will be assumed that applicant has complied fully with his duty of candor with respect to that Japanese reference.

Further and favorable consideration is urged.

8. A petition for a one-month extension of the term is enclosed along with a charge form covering the fee.

Respectfully submitted,
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Enclosures: Petition for one-mo. ext.
Charge form for \$55